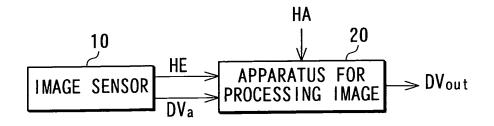
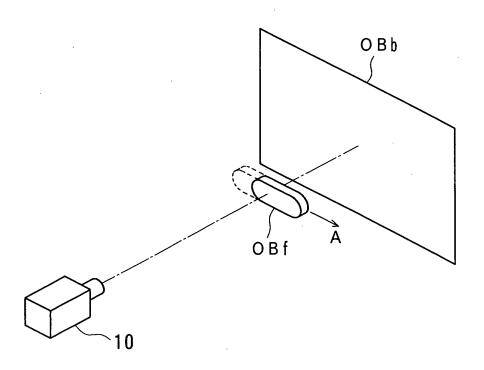
S05P0171US00 10/552466

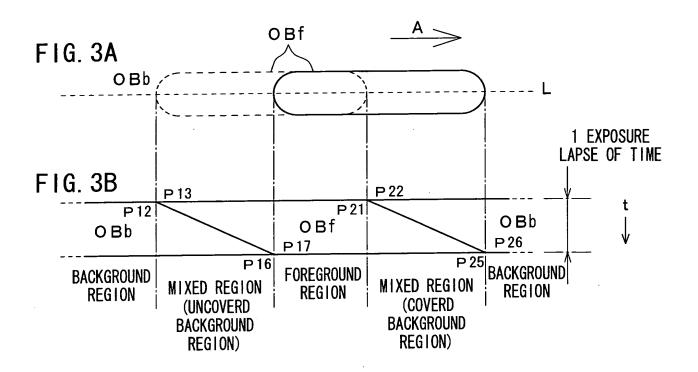
OBLON ET AL (703) 413-3000 DOCKET # <u>278697165</u> SHEET <u>/ OF 29</u>

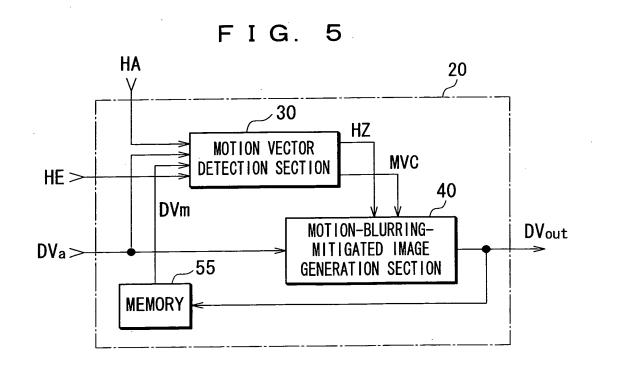
FIG. 1



F I G. 2

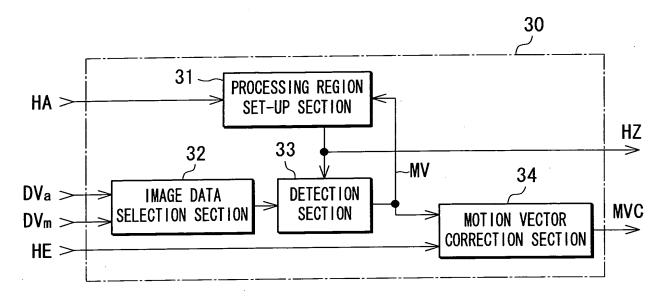




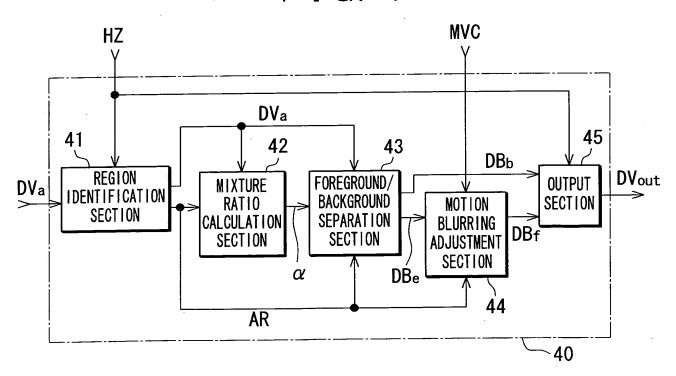


T EXPOSURE LAPSE OF TIME BACKGROUND REGION F01/v | F02/v | F03/v | F04/v | F05/v | F06/v | F07/v | F08/v | F09/v | B23/v | B24/v | B25/v | B26/v | B27/v 809/v | 810/v | 811/v | 812/v | 813/v | 814/v | F01/v | F02/v | F03/v | F04/v | F05/v | F06/v | F07/v | F08/v | F09/v | 824/v | 825/v | 826/v | 827/v 809/v | 810/v | 811/v | 812/v | 813/v | 814/v | 815/v | F01/v | F02/v | F03/v | F05/v | F06/v | F07/v | F08/v | F09/v | 825/v | 827/v 809/v | 810/v | 811/v | 812/v | 813/v | 814/v | 815/v | 816/v | F01/v | F02/v | F03/v | F04/v | F05/v | F06/v | F07/v | F08/v | F09/v | 826/v | 827/v 809/v | 810/v | 811/v | 812/v | F01/v | F02/v | F03/v | F04/v | F05/v | F06/v | F08/v | F09/v | 822/v | 823/v | 824/v | 825/v | 826/v | 827/v (COVERD BACKGROUND REGION) MIXED REGION P 21 FOREGROUND REGION MIXED REGION (UNCOVERD BACKGROUND REGION) P 15 809/v | B10/v | B11/v | B12/v | B13/v | P 13 BACKGROUND REGION

F I G. 6



F I G. 7



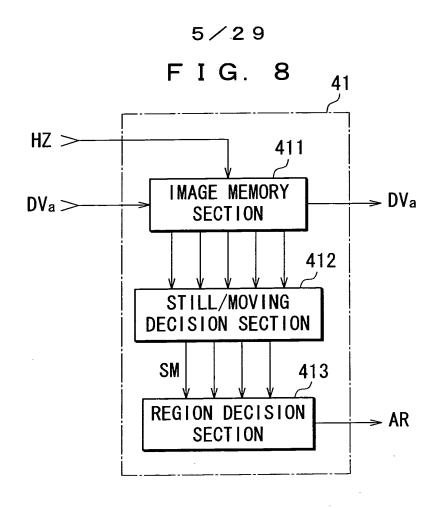


FIG. 10

REGION DETERMINATION	STILL/MOVING DECISION ON FRAMES #n-2 AND #n-1	DECISION ON	STILL/MOVING DECISION ON FRAMES #n AND #n+1	STILL/MOVING DECISION ON FRAMES #n+1 AND #n+2	DECISION LOGIC
STILL REGION		STILL	STILL		OR
COVERD BACKGROUND REGION	STILL	MOVING			AND
UNCOVERD BACKGROUND REGION			MOVING	STILL	AND
MOVING REGION		MOVING	MOVING		AND

		_	#n_0	7_11#				FKAME	#n-1	:		CDANC		뜵	-		FPAME	# - # - # - # - # - # - # - # - # - # -	1±U#			FPAME	C	7+U#			FRAME	7	⊑	
	P37	B37					837			_		83					837					83				\Box		1	\	
		B36					B 36					B36					B36					8								
		835					B35					835					832					835/v	1	_	>	F09/v				
		834					834					834					B34					B34/v	╛	>	<u>Ş</u>	F08				
		83					83					833					833			_		83	>	ğ	2	F9.			REG I ON	
		832					B32					B32					832					B32/v	<u> </u>	Ě	<u>Ş</u>	F06/			图	
		8					噩					噩					B31					F01/v F02/v F03/v F04/v F05/v F06/v F01/v F08/v F09/v B32/v B33/v	823/v F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	824/v F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	826/v F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v			STILL	
		830					83					88					1830/v			^ \	/F09/v	훒		<u>§</u>	765/				SI	
		829					B29					B29					829/v		٩l	/ F09/v	/ F08/v	<u>/</u>	9		, F04	<u> </u>		ŀ		
		B28					B28					B28					B28/v	۱ ۱	/F09/v	/F08/v	/F07/v	, F06/	8	ള	, F03/	, F02				
		827					B27					827					/B27/v	/ F09/v	/ F08/v	/E07/	/90J/	, 105/	Ş S	É	, F02/	힐		1		
		826					979					, B26		r			F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v 827/v	818/v F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	819/v F01/v F02/v F03/v F04/v F05/v F06/v F01/v F08/v F09/v	820/v F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	821/v F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	, F0	<u> </u>	, 192	, F01/	B26/	_	$\frac{1}{2}$	<u>/_</u>	
		B25				_	825					824/v B25/v			>	816/v F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	/ F08/	/ F07/	/ F06/	/E05/	/ F04/	, FB3/	202	, F01/	B25/v	>		4	\ 	BACKGROUND REGION
		824					824					/ B24/		>	/E09/	/ F08/	/ F07/	√F06/v	V F05/	v F04/	v F03/	v F02/	<u>\$</u>	824/		_			KEN	2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
		823					823			_		/B23/	>	/ F09/	/ F08/	/ F07/	√ F06/	v F05/1	v F04/	v F03/	v F02/	9	823			\supseteq			8	충핊
တ		822					B22					/ B22/	/ F09/	¥ F08/	v F07/	v F06/	v F05/v	v F04/	v F03/	v F02/	v F01/	822				_	_	\downarrow	_	<u> </u>
		821					128	_		r –	<u> </u>	v F09/	v F08/	v F07/	v F06/	v F05/	v F04/	v F03/	v F02/	v F01/	B21/	B21						1	\	
n Q		8					F06/v F07/v F08/v F09/v 817/v 818/v 819/v 820/v 821	F		>	F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v B22/v B23/v	813/v F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	814/v F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	815/v F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	V F04/	v F03/	v F02/	v F01/	B20/	>	B20							9	8
		<u>£</u>					v 819/	F	> >	F03/v F04/v F05/v F06/v F07/v F08/v F09/v	v F08/	v F07/	^ F06/	, F05/	v F04/	V F03/	'v F02/	'v F01/	819/		>	8 B19							₫	REGI ON
Ш		88					v B18/	F05/v F06/v F07/v F08/v F09/v V	v F09/	V F08/	v F07/	^ F06/	v F05/	v F04/	v F03/	v F02/		818/			>	7 818				_				Œ
ш.		18			_		v 817/	v F09/	<u>8</u>	v F07/	V F06/	v F05/	v F04/	v F03/	'v F02/	/v F01/	8 817					5 817					_	$\frac{1}{2}$	\leftarrow	
		# >	_		_	.>	v F09/	v F08/	V F07/	/ <u>F06/</u>	'v F05/	/v F04/	/v F03/	/v F02/	/v F01/	816/	5 816					5 816						1	<u>`</u> ≘	BACKGROUND Region
		813/v B14/v B15/v			^	F07/v F08/v F09/v	V F08/	V F07/	/ _V F06/	/s01/	/v F04/	/v F03/	/v F02/	/v F01/	815/	->	4 B15					4 815	_						30	88
		v 814/		^	F08/v F09/v	v F08/	v F07/	/ ₄ F06/	'v F05/	v F04/	'v F03/	'v F02/	/ _V F01/	84		-	3 B14					3 B14							8	쯏Ш
				v F09/v		_					_	_	B13/			>	2 B13					2 B13				_	_	\downarrow	\leftarrow	ш
•	1	v 812/v	<u>></u>	v F08/	V F07/	/ F06/	'v F05/	<u>√</u>	<u>√</u> F3	V F02/	v F01/v	l B12					1 B12				_	1 B12							`	
		V F09/	/E08/	'v F07/	805/v F01/v F02/v F03/v F04/v F05/v F06/v F07/v	<u>806/v F01/v F02/v F03/v F04/v F05/v F06/v</u>	F01/v F02/v F03/v F04/v F05/v	B08/v F01/v F02/v F03/v F04/v	B09/v F01/v F02/v F03/v	B10/v F01/v F02/v	B11/v	<u>B</u>		_			9			_		0 B11								•
		V F08/	, 10,	<u>^ </u> F96/	/v F05/	'v F04/	/v F03/	/v F02/	/v F01/	<u>B</u>	->	98					9 810					9 B10								
		v F07/	, F06/	v F05/	v F04/	v F03/	'v F02/	7 F91	8		->	<u>6</u>					809				-	809 8							_	
		/903 ^	۷ F05/	v F04/	V F03/	v F02/	, F01/	8			>	8					2 808					7 B08							019	
		v F05/	v F04/	v F03/	v F02/	'v F01/	5 807					89					6 807					6 807							STILL REGION	
		/ F04/	<u>۱۲</u>	'v F02/	/v F01/	/90g	98					908	_				9 2 2					908							\equiv	
		V F03/	۸ I-02/	v F01/	805/	_	B05					# 805					4 802				_	4 805							S	
		F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	<u>구</u>			>	3 804					3 B04					3 804					3 804				_				
			3	_		_	2 803					2 B03					2 B03					2 B03								
	_	B02					807					B02					B02					1 802								
		8					쯢					쯢					8					쯢					_	/	<u>/</u>	

FIG. 11

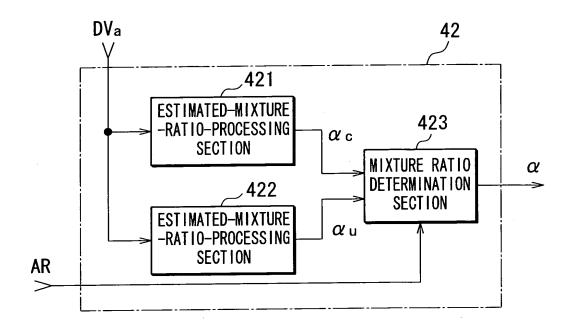
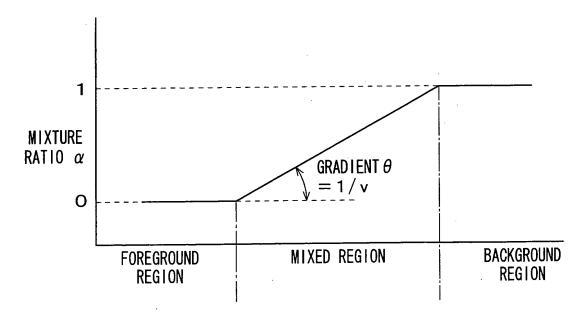
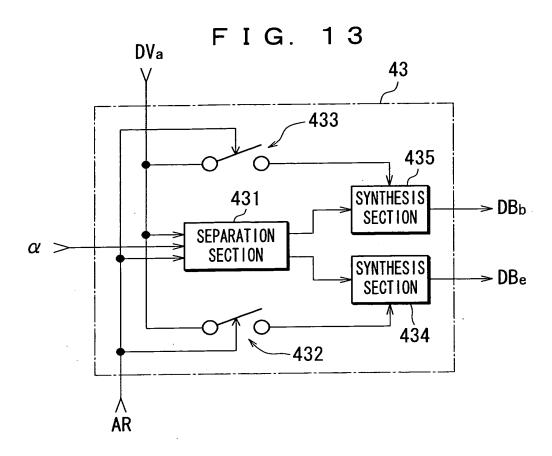
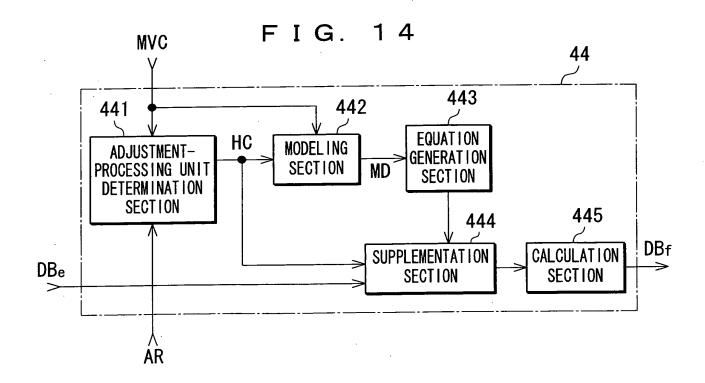


FIG. 12

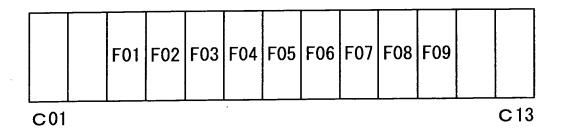




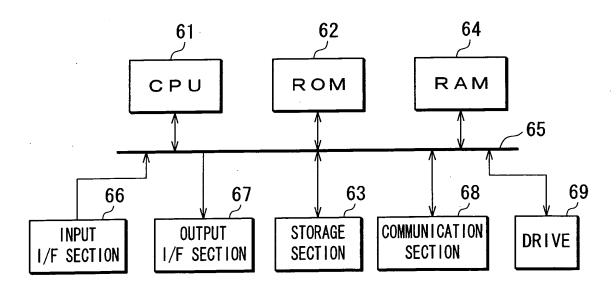


C13												501
F09/v	F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	F07/v	F06/v	F05/v	F04/v	F03/v	F02/v	F01/v		-		•
	F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	F08/v	F07/v	F06/v	F05/v	F04/v	F03/v	F02/v	F01/v	,		
		F09/v	F08/v	F07/v	F06/v	F05/v	F04/v	F01/v F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	F02/v	F01/v		
			۲/60J	F08/v	F07/v	F06/v	F05/v	F02/v F03/v F04/v F05/v F06/v F07/v F08/v F09/v	F03/v	F02/v	F01/v	
				۲/60J	F08/v	F07/v	F06/v	F03/v F04/v F05/v F06/v F07/v F08/v F09/v	F04/v	F03/v	F02/v	F01/v F02,

FIG. 16



F I G. 17



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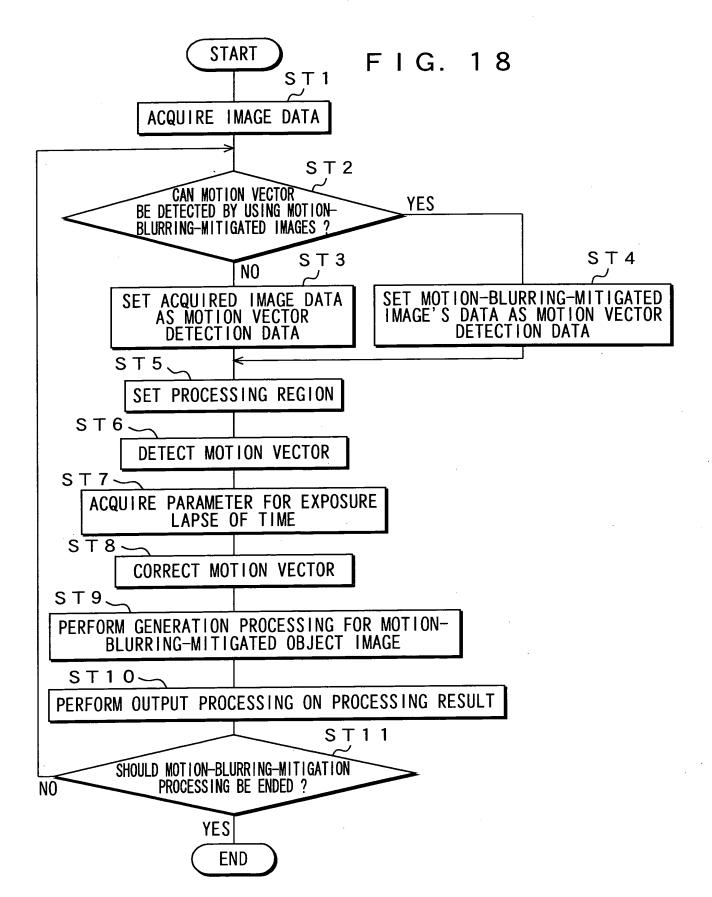


FIG. 19

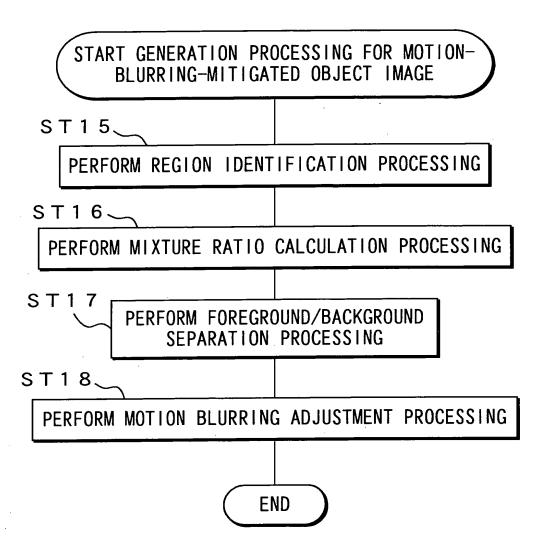
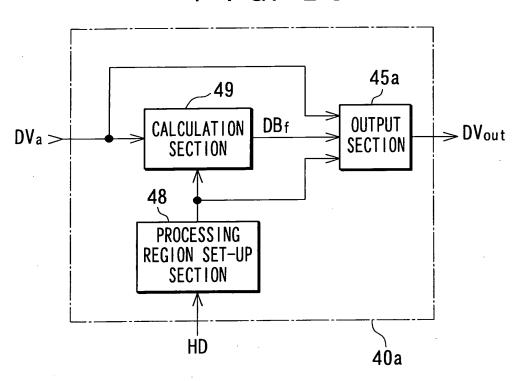
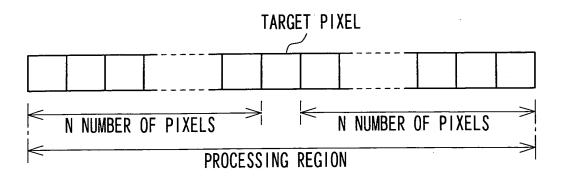


FIG. 20



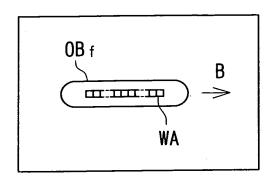
F I G. 21



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F I G. 22A



F I G. 22B

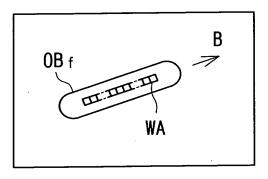
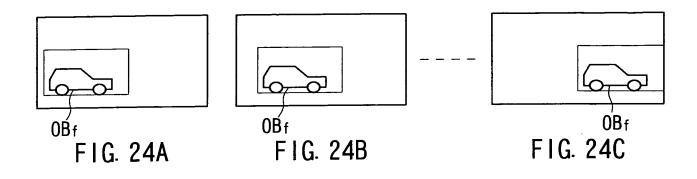


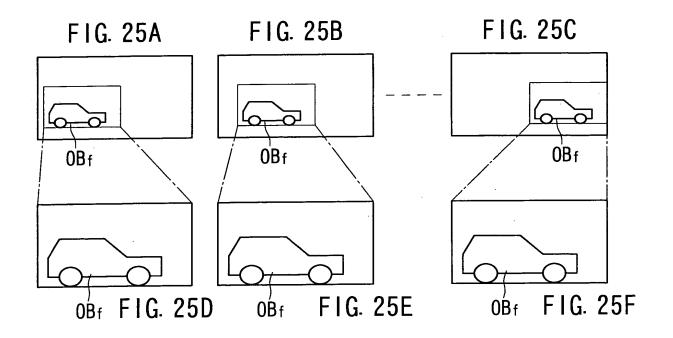
FIG. 23

TARGET PIXEL

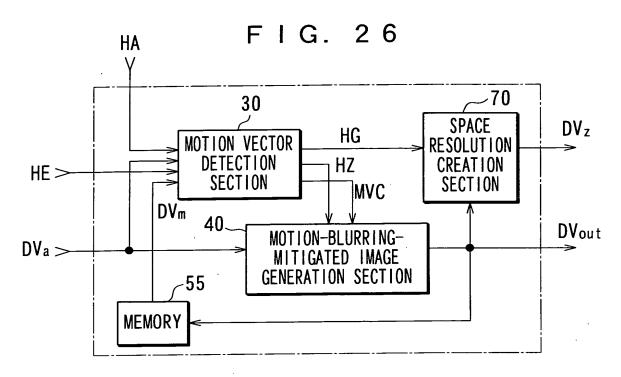
Y-4/v Y-3/v Y-2/v Y-1/v Y0/v Y1/v	Y2/v Y3/v Y4/v	Y5/v Y6/v Y7/v	v						
Y-5/v Y-4/v Y-3/v Y-2/v Y-1/v Y0/v	Y1/v Y2/v Y3/v	Y4/v Y5/v Y6/v							
Y-6/v Y-5/v Y-4/v Y-3/v Y-2/v Y-1/v	Y0/v Y1/v Y2/v	Y3/v Y4/v Y5/v	V Y6/V QUANTIT	Υ					
Y-7/v Y-6/v Y-5/v Y-4/v Y-3/v Y-2/v	Y-1/v Y0/v Y1/v	Y2/v Y3/v Y4/v	$\sqrt{\frac{1}{1}}$ $\sqrt{\frac{1}{1}}$ $\sqrt{\frac{1}{1}}$						
Y-8/v Y-7/v Y-6/v Y-5/v Y-4/v Y-3/v	Y-2/v Y-1/v Y0/v	Y1/v Y2/v Y3/v	v Y4/v						
N NUMBER OF PIXELS (N=6) N NUMBER OF PIXELS (N=6)									
DDOOFC	CINC DECION		>						
' PRUCES	SSING REGION								

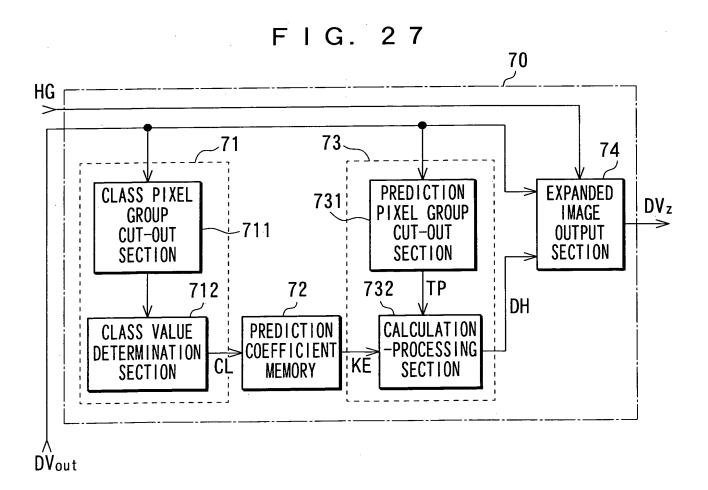
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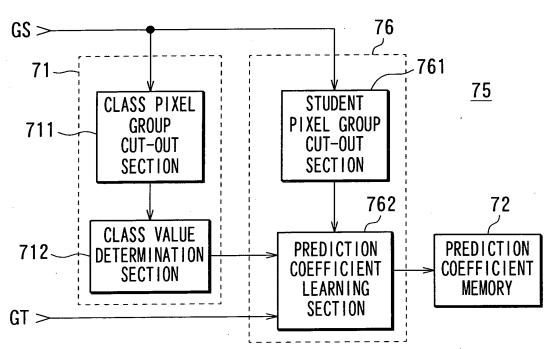
16/29

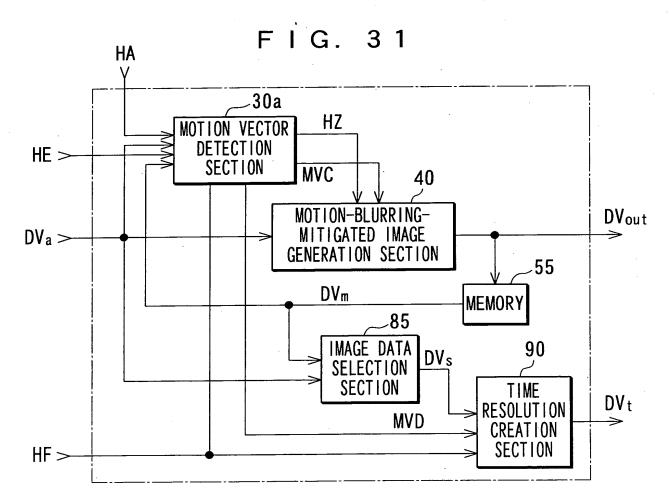


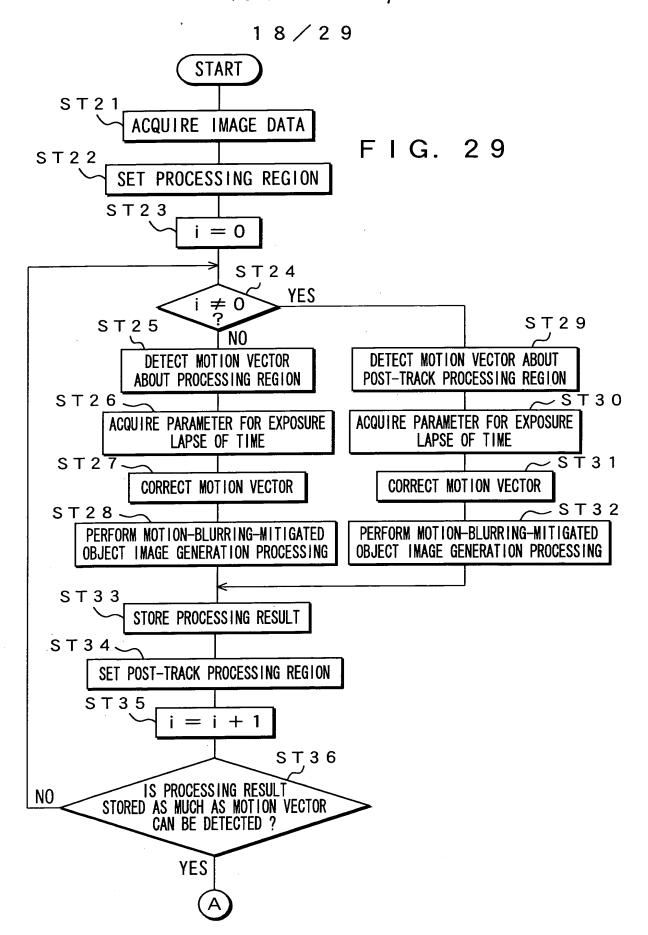


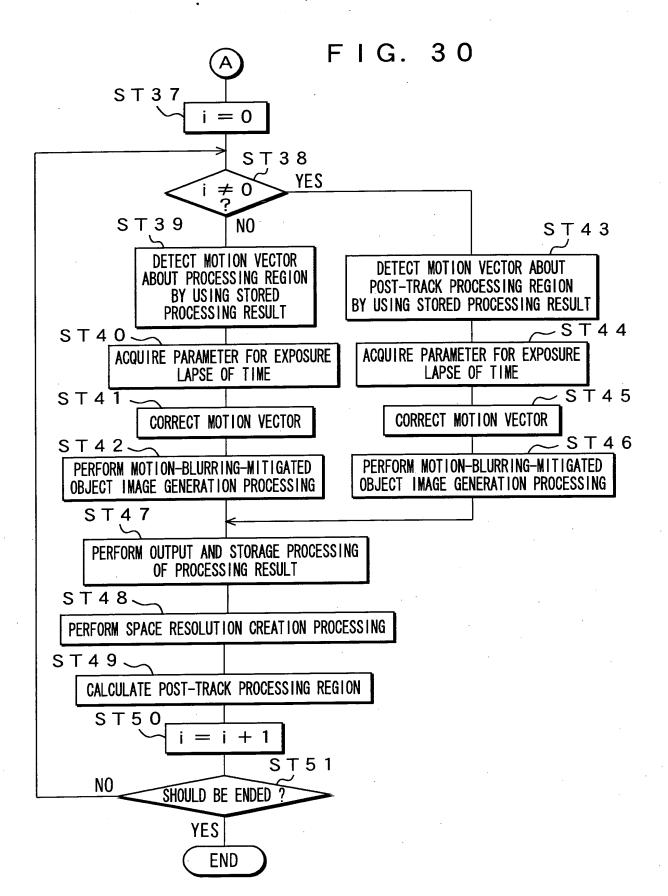
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FIG. 28









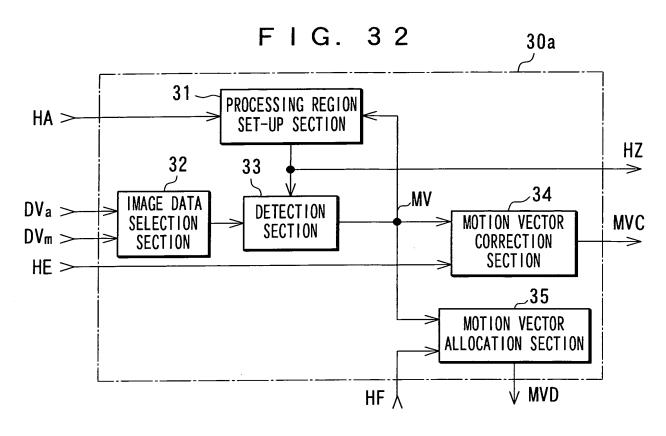


FIG. 33

t

PW

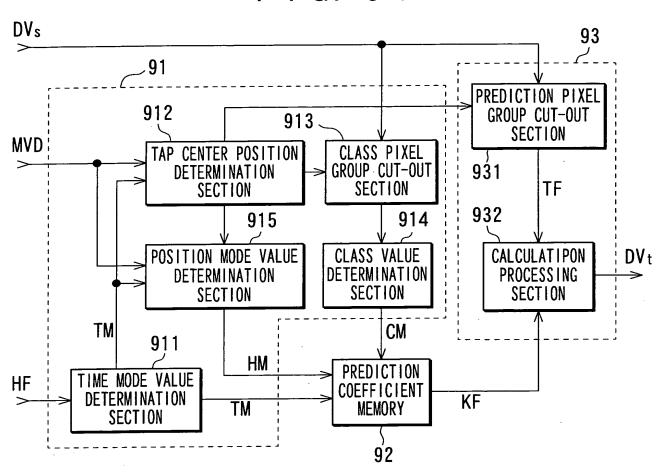
PGn0x

PW

RFa RFn0 RFn1 RFb

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FIG. 34



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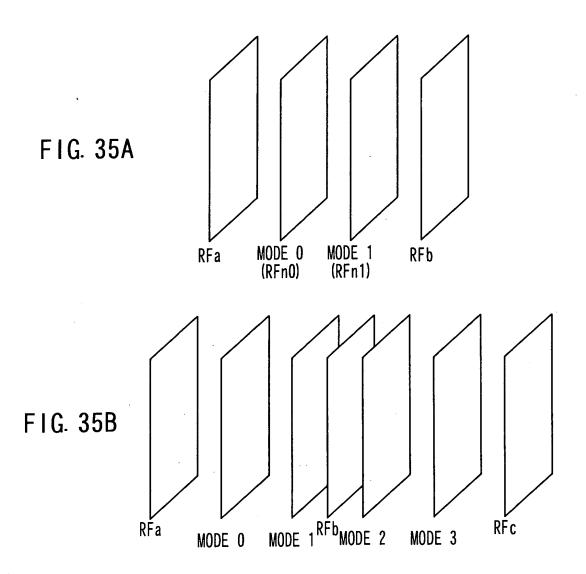


FIG. 36

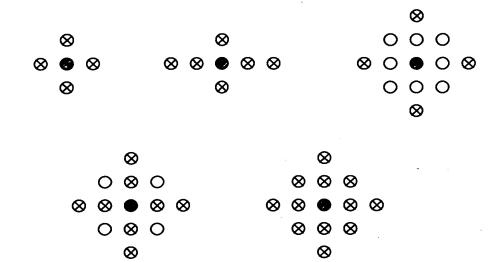


FIG. 37

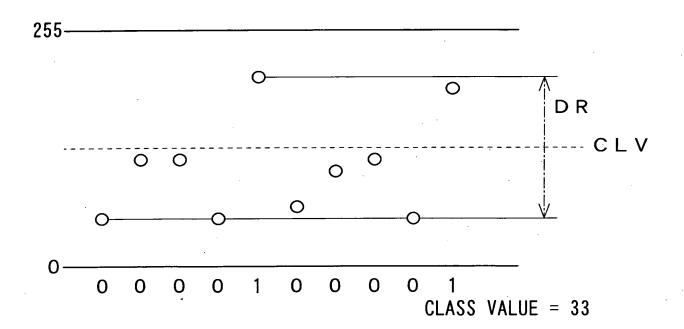
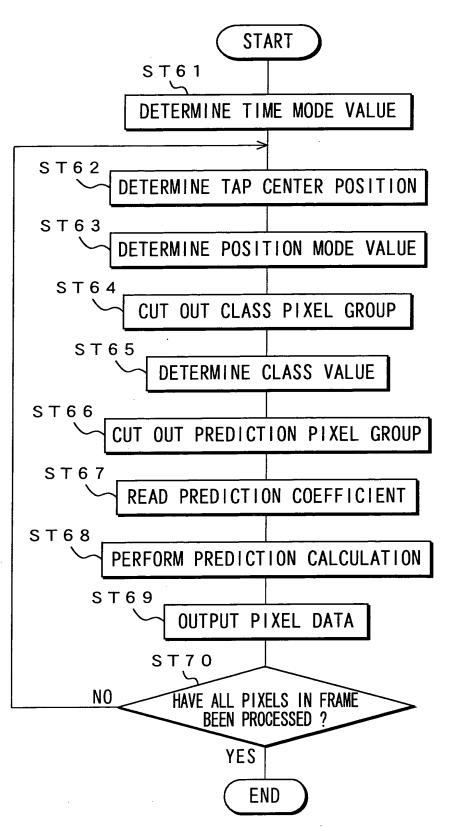
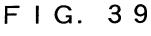


FIG. 38





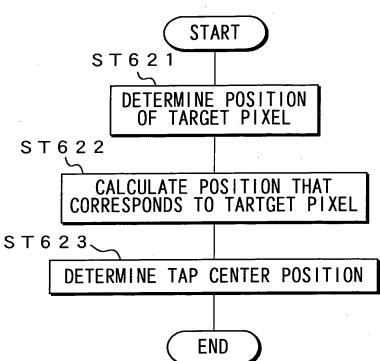
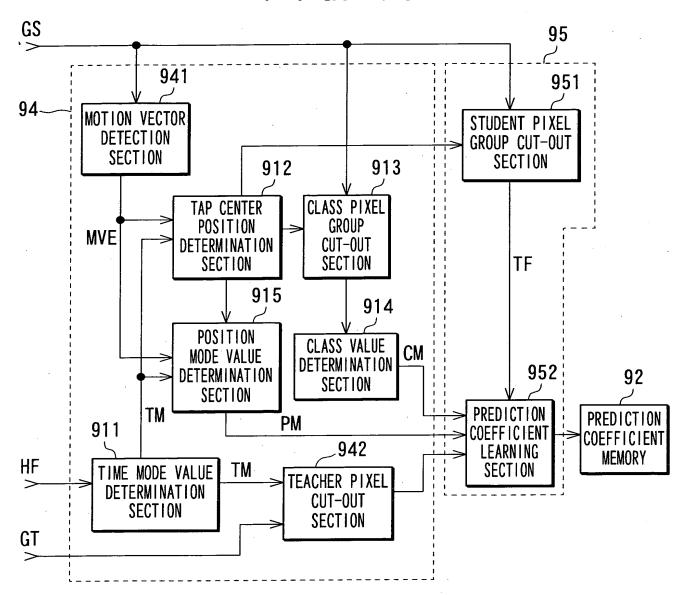
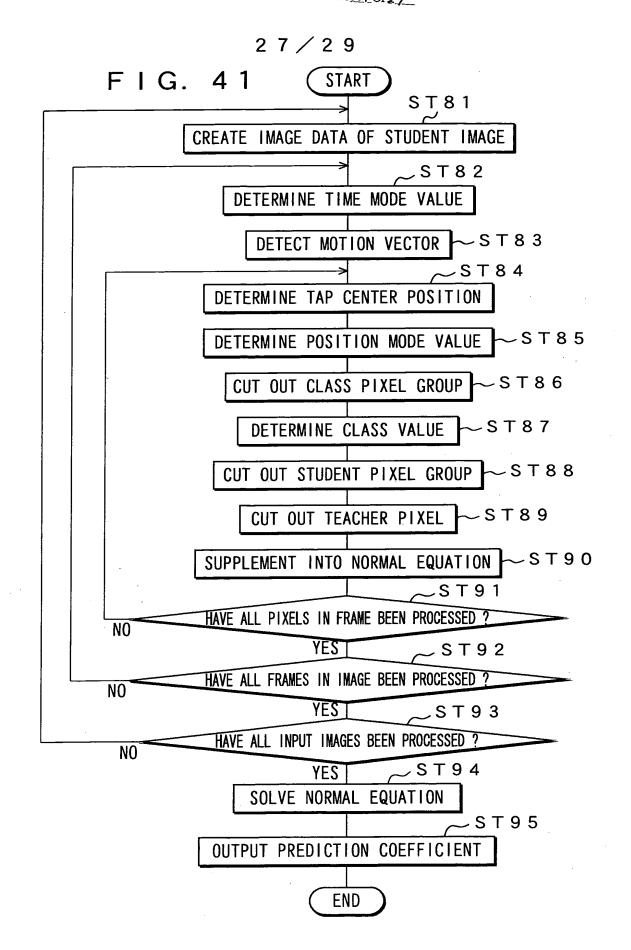
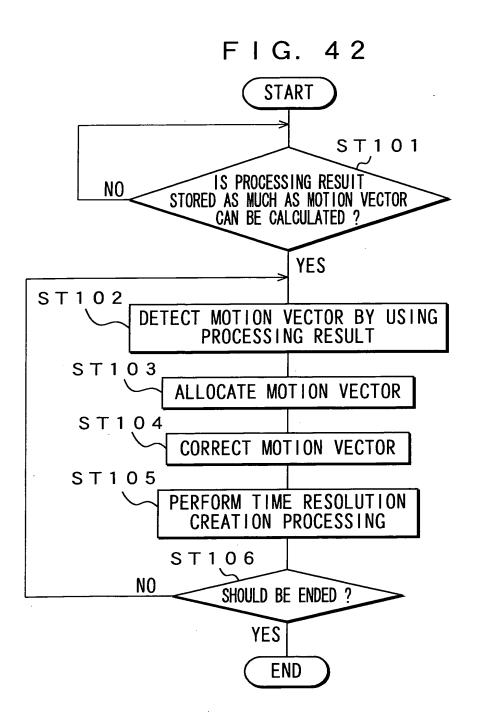


FIG. 40







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